

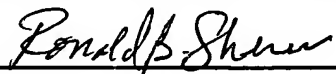
the Peltier effect and water condensed at the closed end of the cylinder is re-evaporated by heating the surface during times when the instrument is not being used for measurement by reversing the current through the cooling means based on the Peltier effect.

34. (New) A method as claimed in Claim 29 in which the sensors are mounted in the wall inside the cylinder.

35. (New) A method as claimed in Claim 29 in which the sensors are mounted on the outside wall of the cylinder and there is a hole through the wall of the cylinder which hole and sensor are sealed against the atmosphere outside the cylinder.

36. (New) A method as claimed in Claim 29 in which there is a hole through the cylinder wall and the sensors are mounted at least partially within such hole and the hole and sensor are sealed against the atmosphere outside the cylinder.

Respectfully submitted,



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